

## CLAIMS

What is claimed is:

1. A system for publishing a message using a page builder tool, the page builder tool for providing a web page and linking the web page to a searchable database, the system comprising:
  - 4 a message caching agent for receiving the message;
  - 5 a message cache coupled to the message caching agent for storing the message, the message cache receiving the message from the message caching agent;
  - 6 a message publishing agent coupled to the message cache and the page builder tool, the message publishing agent for retrieving the message from the message cache and allowing the message to be published on a web browser through the page builder tool in response to a request from the web browser.
2. The system of claim 1 wherein the message publishing agent pushes the message to the web browser through the page builder tool.
3. The system of claim 1 wherein the message publishing agent is a servlet.
4. The system of claim 1 further comprising:
  - 2 a message publishing macro definition, coupled to the page builder tool, the message publishing macro definition being processed by the page builder tool in response to the request from the web browser, the message publishing macro definition for triggering

5 publishing of the message in response to processing of the message publishing macro  
6 definition by the page builder tool.

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4 5. The system of claim 4 wherein the message publishing macro definition includes an applet for retrieving the message from the message publishing agent and publishing the message when the message publishing macro definition is processed by the page builder tool.

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4 6. The system of claim 1 further comprising:  
5 a message publishing tool for allowing a user to create the message and provide the message to the message caching agent.

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5 7. A method for publishing a message using a page builder tool, the page builder tool for providing a web page and linking the web page to a searchable database, the method comprising the steps of:

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8 (a) receiving a message from a user;  
(b) storing the message in a message cache connected to the page builder tool;  
(c) retrieving the message from the message cache and publishing the message on a web browser through the page builder tool in response to a request from the web browser.

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3 8. The method of claim 7 wherein the retrieving and publishing step (c) is performed utilizing a message publishing agent.

9. The method of claim 8 wherein the retrieving and publishing step (c) includes the step of:

(c1) utilizing the message publishing agent to push the message to the web browser.

10. The method of claim 8 wherein the message publishing agent is a servlet.

11. The method of claim 8 wherein the retrieving and publishing step (c) further includes the steps of:

(c1) triggering the message publishing agent to retrieve and publish the message using a message publishing macro definition coupled to the page builder tool, the message publishing macro definition being processed by the page builder tool in response to the request from the web browser, the message publishing macro definition for triggering publishing of the message in response to processing of the message publishing macro definition by the page builder tool.

12. The method of claim 8 wherein the message publishing macro definition includes an applet that retrieves the message from the message publishing agent and publishes the message when the message publishing macro definition is processed by the page builder tool.

13. The method of claim 8 further comprising the step of:

(d) allowing a user to create the message and provide the message to a message

3 caching agent using a message publishing tool.

1 14. A computer-readable medium containing a program for publishing a message  
2 using a page builder tool, the page builder tool for providing a web page and linking the web  
3 page to a searchable database, the program including instructions for:

4 (a) receiving a message from a user;  
5 (b) storing the message in a cache connected to the page builder tool;  
6 (c) retrieving the message from the message cache and publishing the message

7 on a web browser through the page builder tool in response to a request from the web  
8 browser.

1 15. The computer-readable medium of claim 14 wherein the retrieving and  
2 publishing instructions (c) are performed utilizing a message publishing agent.

1 16. The computer-readable medium of claim 15 wherein the retrieving and  
2 publishing instructions (c) include instructions for:

3 (c1) utilizing the message publishing agent to push the message to the web  
4 browser.

1 17. The computer-readable medium of claim 15 wherein the message publishing  
2 agent is a servlet.

1 18. The computer-readable medium of claim 15 wherein the retrieving and

2 publishing instructions (c) further include instructions for:

3 (c1) triggering the message publishing agent to retrieve and publish the message  
4 using a message publishing macro definition coupled to the page builder tool, the message  
5 publishing macro definition being processed by the page builder tool in response to the  
6 request from the web browser, the message publishing macro definition for triggering  
7 publishing of the message in response to processing of the message publishing macro  
8 definition by the page builder tool.

1 19. The computer-readable medium of claim 15 wherein the message publishing  
2 macro definition includes an applet that retrieves the message from the message publishing  
3 agent and publishes the message when the message publishing macro definition is processed  
4 by the page builder tool.

5 20. The computer-readable medium of claim 15 further comprising the step of:  
6 (d) allowing a user to create the message and provide the message to a message  
7 caching agent using a message publishing tool.